



National Centers for Environmental Information (NCEI)

Revealing the Past, Interpreting the Present, and Informing the Future

Steward of the Nation's Environmental Information

NOAA's National Centers for Environmental Information (NCEI) houses and provides access to one of the most significant archives on Earth, with comprehensive oceanic, atmospheric, coastal, and geophysical data. We are the world's largest provider of environmental information that spans from the depths of the ocean to the surface of the sun, and from prehistoric to modern times.

We preserve, steward, and maximize the utility of the U.S. Federal government's investment in high-quality environmental data. We provide data and information products and services to private industry and businesses, local to national governments, academia, as well as the public. We seek to foster the development of newly integrated products and services that span the science disciplines and enable better data discovery.

Our organization formed with the merger of the National Climatic Data Center, National Geophysical Data Center, and National Oceanographic Data Center, including the National Coastal Data Development Center, in January 2015. We inherited the full spectrum of products and services as well as the tradition of excellence, unmatched expertise, and trusted, authoritative data established by the previous Data Centers.

NCEI's Primary Locations



Asheville, North Carolina, *Headquarters*



Boulder, Colorado



Silver Spring, Maryland



Stennis, Mississippi

Science

Unlock insights about our Earth system using environmental information from the Nation's data archive.

We are a science-based organization that produces use-inspired environmental information to enable individuals, businesses, and governments to make informed decisions. Our information provides the foundation for more tailored decision-support services to be developed and delivered by the public and private sector. By integrating across the range of science disciplines within NCEI, we unlock timely, actionable, and reliable environmental information about our Earth system.

Weather and Climate

NCEI's Center for Weather and Climate is the world's largest climate data archive with records ranging from paleoclimatology data to centuries-old journals to data less than an hour old. Data are derived from land-based weather and climate stations, ships, buoys, weather balloons, radar, satellites, and sophisticated climate models. A suite of information products and services are available to describe the national and global climate and to monitor the state of the weather and climate variations, extremes, and trends.

Geophysics

NCEI has geophysical data and information from the sun's surface to Earth's seafloor and from the solid earth environment to weather in space. Data and information include tsunamis, sea level rise prediction, the U.S. Extended Continental Shelf, coastal elevations, storm surge inundation, geomagnetism, solar, and terrestrial phenomena. Products support safe navigation in space, on the oceans, and along coasts, as well as insight into the polar regions of our world.

Coasts and Oceans

As the world's most comprehensive oceanographic and coastal archive, our data extend from ocean temperatures logged centuries ago by famous explorers and adventurers to present-day readings of ocean salinity, nutrients, waves, and currents. Products and data answer increasingly important questions pertaining to oceans and coasts, natural disasters, marine transportation, and the improved management of coastal and marine resources.

Stewardship

Enable public discovery, access, and use of NOAA's environmental information.

Our mandate includes archiving the growing amount of environmental data and information generated by NOAA. For the Nation to fully realize the long-term value of NOAA's significant investment in collecting observations, generating model outputs, and deriving products for public safety and commerce, we work to effectively steward the data so it can be easily found, accessed, and used by others. Our stewardship activities provide our science enterprise with access to data that meets the highest standards of data integrity.

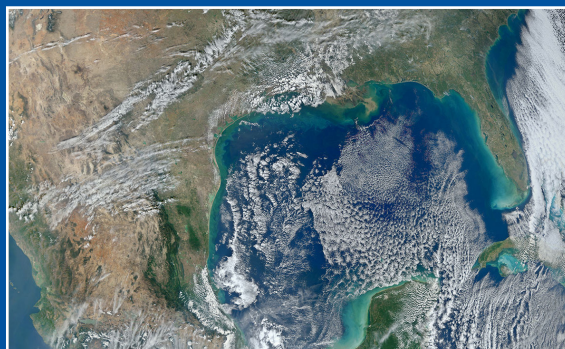
Service

Deliver use-inspired environmental information that supports the Nation's prosperity and resilience.

Decision-makers around the Nation are increasingly recognizing the value of using our environmental data to better manage risk and take advantage of new opportunities. We will continue to strengthen and balance our portfolio of science-based products and services to meet the needs of stakeholders, and improve the delivery of this information.

**Interested in learning more about
NCEI's products and services?**

Visit our website at <http://www.ncei.noaa.gov> or reach out to us at ncei.info@noaa.gov.



NOAANCEclimate
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